Program Executive Office
Combat Support & Combat Service Support

The Way Ahead

Theater Support Vessel ACTD
&
Joint High Speed Vessel Program

February 05

LTC Philip Schoenig
Product Manager
Army Watercraft Systems

Purpose

- **Provide an update on the ACTD program along with the status and way ahead of the Joint High Speed Vessel Program**

PEO CS&CSS Portfolio & Organization

Program Executive Officer
BG Patrick O'Reilly

Deputy PEO
Dr. Grace Bochenek

PM Force Projection
COL Timothy Goddette

Army Watercraft Systems
LTC Philip Schoenig

Petroleum & Water Systems
LTC Francisco Espaillat

Combat Engineer/ Material Handling Eq.
LTC Carol Solesbee

Force Sustainment Systems
LTC Lawrence Silas

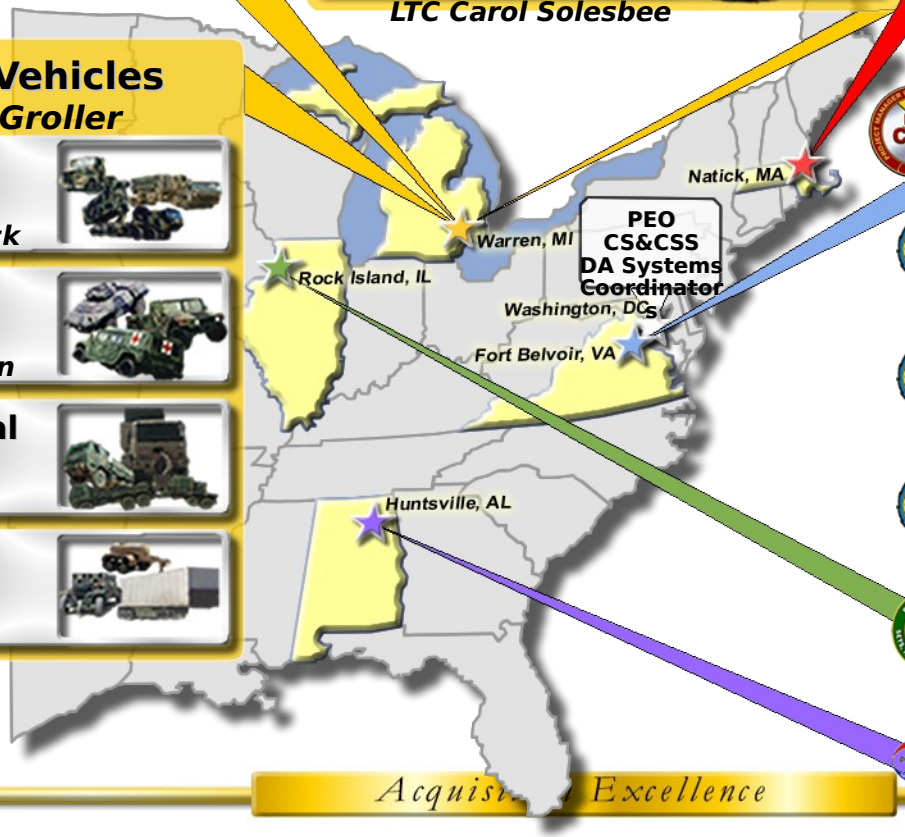
PM Tactical Vehicles
COL Robert Groller

Heavy Tactical Vehicles
LTC Lisa Kirkpatrick

Light Tactical Vehicles
LTC Kevin Peterson

Medium Tactical Vehicles
Mr. David Dopp

Trailers
LTC John Myers



PM Combat Systems Support
Mr. Rob Szerszynski

Small Power Systems (USMC)
LtCol Nate Tabbert

Medium Power Systems
LTC John Kelleher

Large Power Systems (USAF)
Mr. Michael Payne (Acting)

Sets, Kits, Outfits & Tools
LTC Jeff Carr

Test, Measurement, & Diagnostic Equipment
LTC Dwayne Morton

Acquisition Excellence

Army Watercraft Systems

Admin Assistant
Peggy Bechtel
48830

Admin Assistant (CoOp)
Angela Adams
48830

Product Manager
LTC Philip Schoenig
48829

Deputy
Fred Williams
48830

Watercraft Technical Advisor
CW4 Miller 45616

Floating Craft
Kathy Lytle
43953

- Small Tug 900 (ST900)
  James Breeding
  48865
- Large Tug 128' Mod
  Mr. Jeff Darnell
  CW4 Miller 45616
  Steve Dull (log)
- Modular Causeway Sys
  Brenda McKinney
  32285
  Scott Porter (COR)
- 115 Ton Barge
  Derrick
  Kathy Lytle 43953

Heavy Vessels
MAJ Andy Oderkirk
48844

- LSV Reprocurement
  Bob Noel 48834
  Toniya King (MR)
- LCU 2000 Material Change
  EPSS
  Phyllis Pope 43931
- LCM8 Mod II
  Toniya King 46059
- Rail Systems
  *Steve Dull 48870

Logistics & Support Equipment
Debbie Raubinger
45001

- MR / UID
  Scott Porter 32299
- Logistics
  Gary Vollmer 48510
- Configuration Management
  DITSCAP
  Joe Herman 48018
- Uniform National Discharge Standards
  *Phyllis Pope 43931
- C4ISR Upgrade
  HC3
  Doug Belanger 46081
  Toniya King (log)
  46059
- Maritime Integrated Training Systems
  Debbie Raubinger

TSV Technical Management
Don Paskulovich
47641

- TSV – ACTD
  Chris Maluchnik
  47664
- HSV – ACTD
  Kerry Riese
  47926
- ACTD – C4ISR
  Kerry Riese
  47926

TSV Transition
Dennis Mazurek
45375

- Chanda Smith
  45368

As of 6 Feb 05

ACTD Objectives

- Mission Needs:
  - Conduct high-speed, intra-theater lift of forces and equipment
  - Establish and operate waterborne intra-theater lift for upload and discharge operations for containerized and palletized cargo
  - Conduct Inland Waterways and Riverine Operations, Joint Logistics Over the Shore (JLOTS) & augment Amphibious Operations
  - Integrate existing and emerging technologies under the TSV ACTD program

ACTD Concept

- Leased Commercial Vessels - TSV-1X and HSV-X1
- Installation of Military Modifications / Applications
  - Suitability
  - Availability
  - Location
- Demonstrations w/multiple exercise scenarios
- Operational Use
- Assessments
- Military Utility Assessment
  - Technical performance
  - Operational Capability
  - Operational Affordability
- Evaluate Life-cycle Cost issues

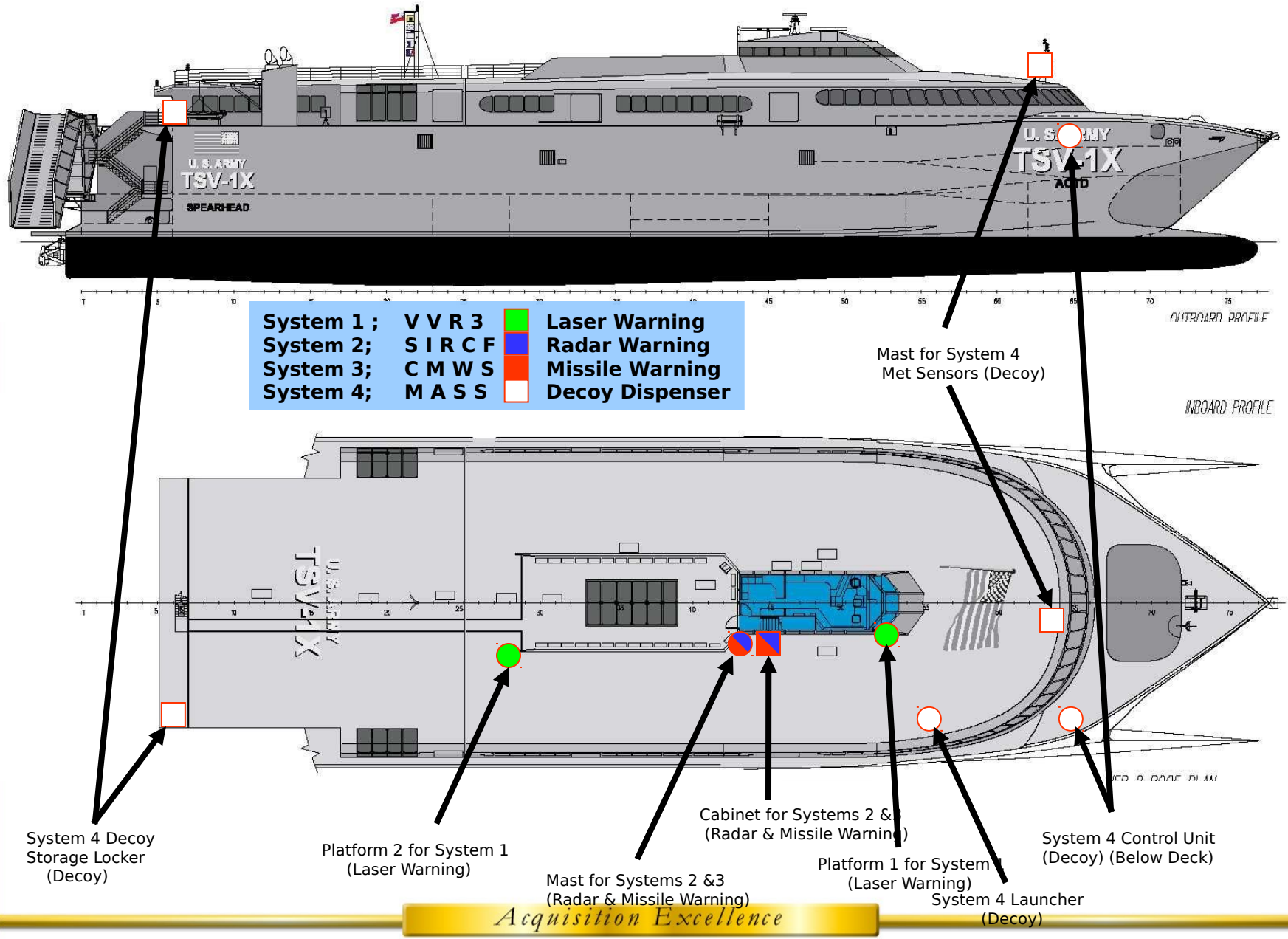
TSV-1X C4ISR Capabilities

- Joint Service Digital Architecture
  - Communications
    - Includes secure and non-secure communications, voice and data, through multiple line-of-sight, UHF TacSat, L-band SATCOM and Wideband SATCOM radios and Telephony
    - The Military Requirements must be certified by the Joint Interoperability Test Center (JITC) and comply with:
      - Joint Technical Architecture (JTA)
      - Defense Information Infrastructure Common Operating Environment (DII-COE)
      - Net-Centric Operational Warfare (NCOW) compliant
  - Processing
    - A full suite of essential functional capabilities for Battle Command (BC) deployment lay the foundation for distribution (factory to foxhole)
    - Maintain the Common Operating Picture (COP)
- TSV-1X will provide any Command group the communications and BC infrastructure to conduct various operations while on the vessel utilizing the Battle Command Center (BCC)
  - Thin client technology, open-architected standards provide tailorable, scalable assets.
  - Having various BC applications integrated within the BCC allows the vessel to operate in a multi-echelon joint/combined environment
  - TSV platforms offers "Transformational" flexibility/capability - replicates a Command and supports Battle Command On The Move requirements. Capabilities include:
    - Enroute Mission Planning & Rehearsal - Deploy combat ***"Ready to Fight"*** units
    - Joint Task Force Battle Command
    - Army Battle Command afloat (LandWarNet)
    - Homeland Security

TSV-1X Self Protection Capabilities

- Self Protection (of a non-combatant vessel)
  - Relies on layered defense
  - Detection capability
  - Passive and active capability to defeat threats by targeting systems and attacking platforms
- Integrated Radar Optical Surveillance & Sighting System (IROS3)
  - Overarching Anti-terrorist/Force Protection system which integrates sensor information and communication data while also combining semi-automated engagement capability.
  - Creates a common tactical scene for ship's crew to maintain 24 hour situational awareness between watch standers, patrol boats, piers and shore based stations.
- Electronic Warfare Countermeasures
  - Radio Frequency (RF)/Electro Optics (EO)/Infra Red (IR) threat sensors
  - Multi-Ammunition Softkill System (MASS) countermeasure system

TSV Self Protection Suite

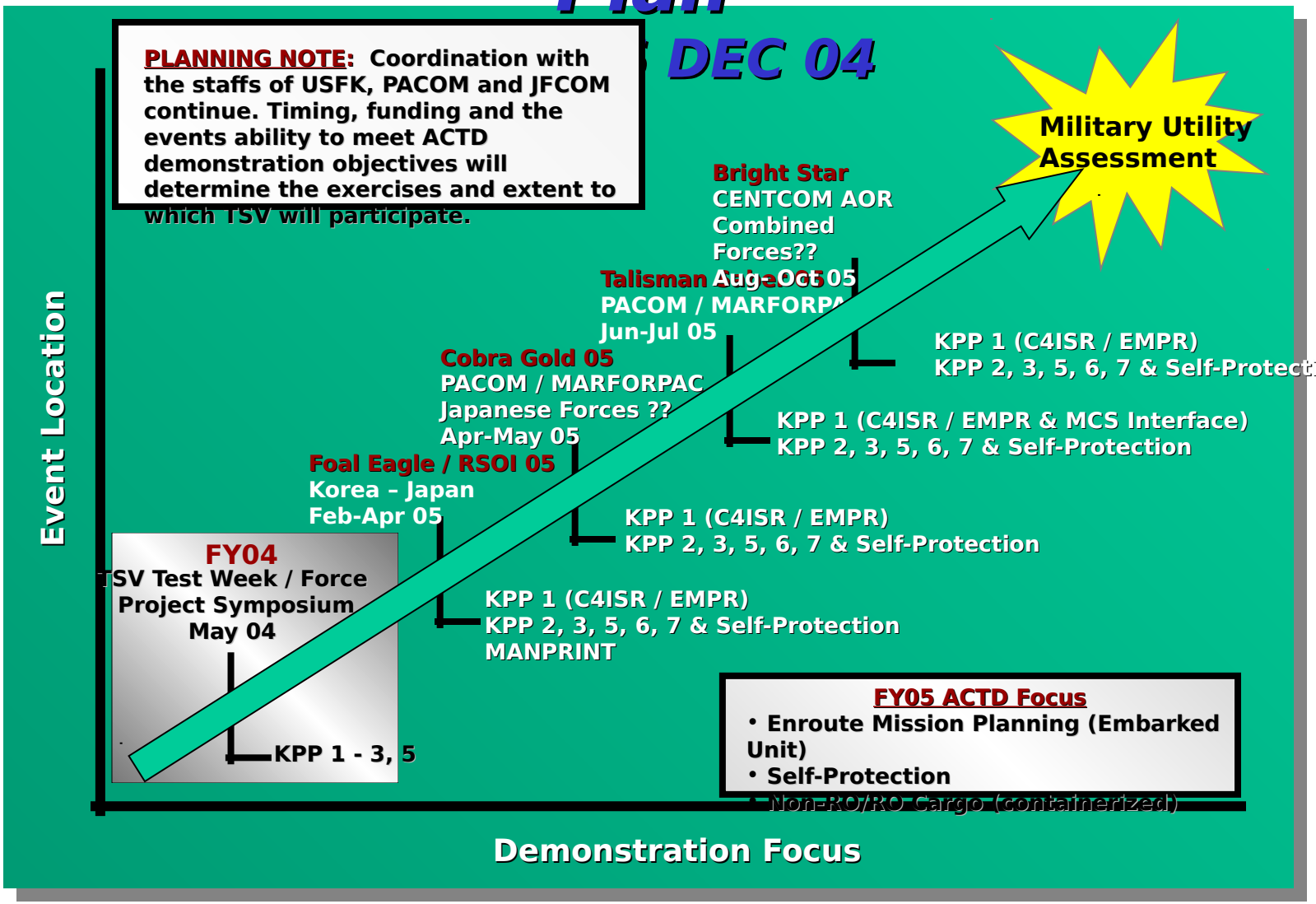


TSV-1X ACTD Assessment Events

- RSOI / Foal Eagle Feb –Mar 05
  - Strategic Lift III MEF from Iwikuni and White Beach
  - Battle Command on the Move – Forward to Rear TOC movement
  - Combined ROK / USN Seal missions
  - Operational Maneuver – TF command, 4 M1's + TWV from Pusan to Pyongtek
  - NEO and Medical Evacuation exercises
- Cobra Gold April – May 05
  - Strategic Lift
  - Operational Maneuver
- Talisman Saber Jun – Jul 05
  - Strategic Lift
  - Operational Maneuver – Australian forces
- Self Protection Demo with Australian Ministry of Defense - 16-31 July 05
  - Integrated Radar Optical Surveillance & Sighting System (IROS3)
  - Electronic Warfare Countermeasures
  - Cowley Beach Test Area, Australia
- Bright Star 05 Sept – Oct 05
  - ACTD "Graduation Exercise"
  - Complete Military Utility Assessment

Specific assessment events on later exercises will be defined during planning conferences

FY05 ACTD Assessment Plan


DEC 04
PLANNING NOTE: Coordination with the staffs of USFK, PACOM and JFCOM continue. Timing, funding and the events ability to meet ACTD demonstration objectives will determine the exercises and extent to which TSV will participate.
Military Utility Assessment
Bright Star
CENTCOM AOR
Combined Forces??
Aug - Oct 05
KPP 1 (C4ISR / EMPR)
KPP 2, 3, 5, 6, 7 & Self-Protection
Talisman
PACOM / MARFORPA
Jun-Jul 05
KPP 1 (C4ISR / EMPR & MCS Interface)
KPP 2, 3, 5, 6, 7 & Self-Protection
Cobra Gold 05
PACOM / MARFORPAC
Japanese Forces ??
Apr-May 05
KPP 1 (C4ISR / EMPR)
KPP 2, 3, 5, 6, 7 & Self-Protection
Foal Eagle / RSOI 05
Korea – Japan
Feb-Apr 05
KPP 1 (C4ISR / EMPR)
KPP 2, 3, 5, 6, 7 & Self-Protection
MANPRINT
FY04
TSV Test Week / Force Project Symposium
May 04
KPP 1 - 3, 5
FY05 ACTD Focus
• Enroute Mission Planning (Embarked Unit)
• Self-Protection
• Non-RO/RO Cargo (containerized)
Event Location
Demonstration Focus

KPP 1 – Interoperability KPP 2 – Conduct RO/RO Ops KPP 3 – Cargo Deck & Ramp Weight KPP 4 – Non-RO/RO Cargo KPP 5 – Embarked PAX KPP 6 – Self-Deployment KPP 7 - OPNL Range KPP 8 - Shallow draft Self-Protection

JHSV Program Status and Way Ahead

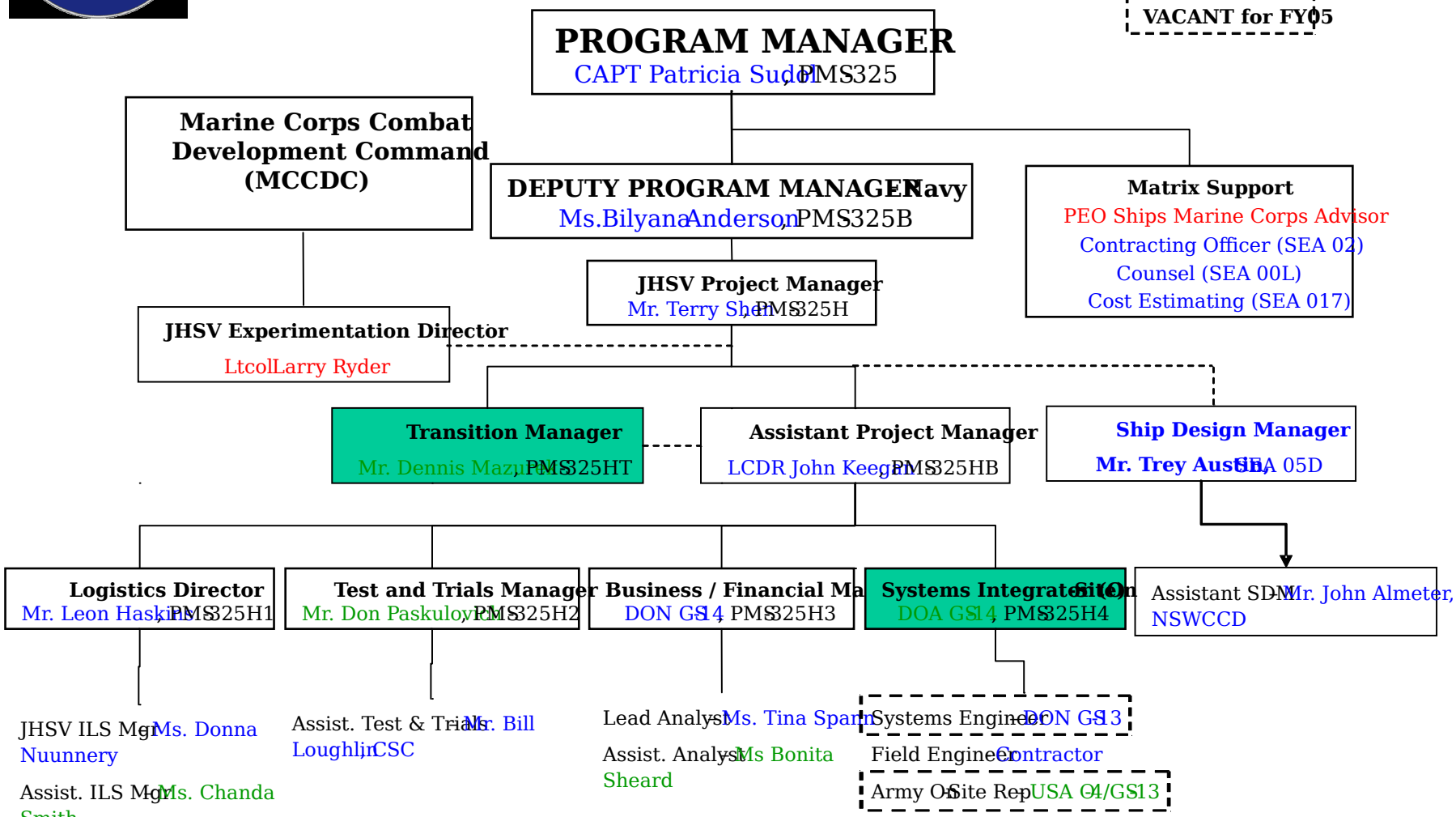
Joint High Speed Vessel (JHSV)
What has taken place

- **Theater Support Vessel (TSV) Program Name Changed**
- **Memorandum of Intent (MoI) Signed by VCSA, VCNO and Assistant Commandant USMC (Aug. 04) Transfers TSV Program Lead to Navy**
- **Secretaries of the Army and Navy Provide Joint Report to Congressional Defense Committees on TSV as Directed by HAC-D (Dec. 04)**
- **OSD Program Decision Memorandum (PDM) Merges Army TSV and Naval High Speed Connector (HSC) Programs Under Navy Program Office**
  - **Directs Memorandum of Agreement between Army and Navy (Nov. 04)**
- **Memorandum of Agreement (MoA) between Army and Navy Acquisition Executives**
  - **Comprehensive Joint Approach to Execute JHSV Program (Jan. 05)**
- **Navy JHSV Program Office Established (Jan. 05)**
- **FY08 Contract Award for First Army Vessel – FY10/11 Delivery**
- **DA Staff 3 Star Decision/Guidance – Continue Vessel Leases to FY11/12**

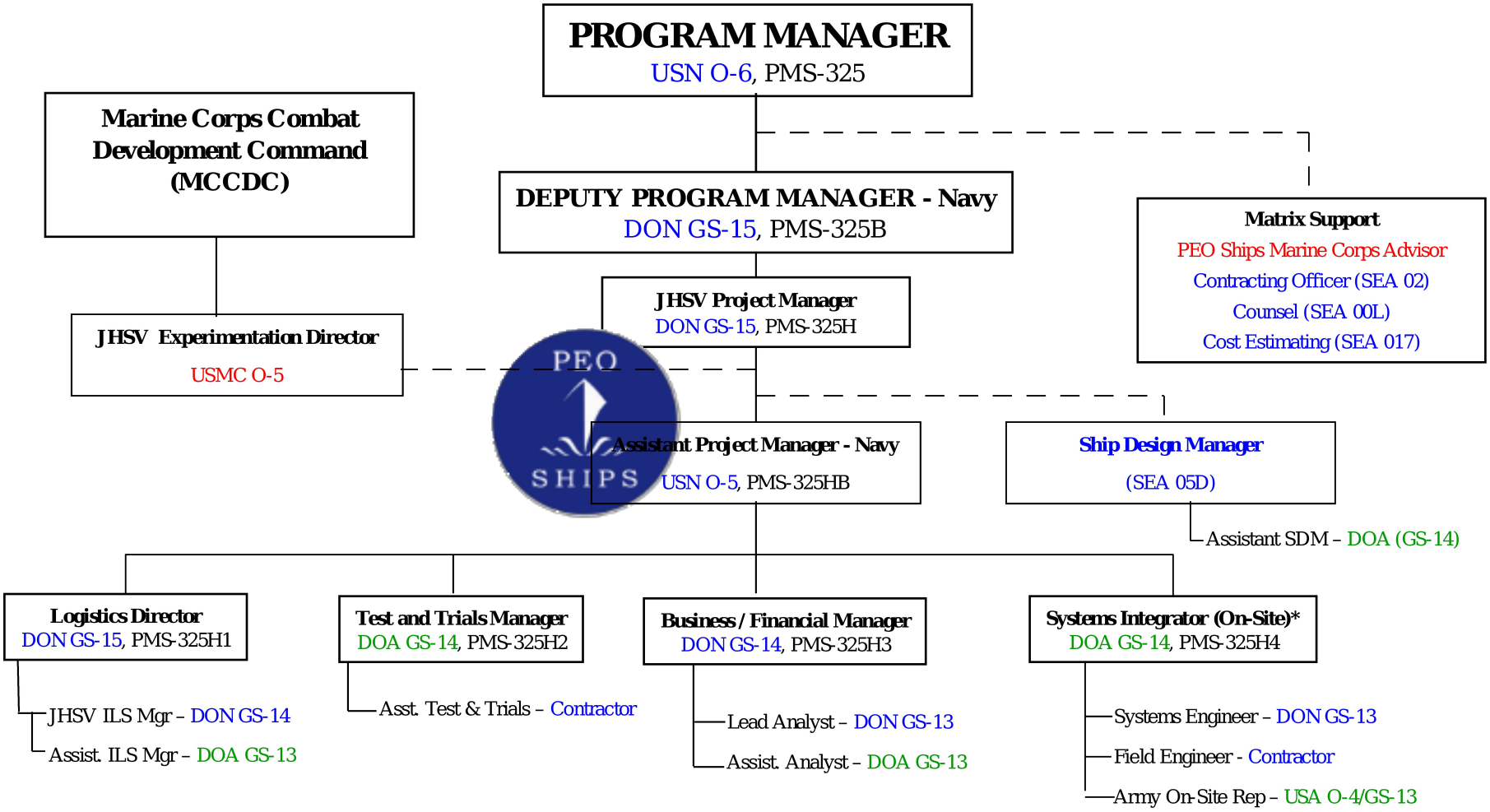
JHSV Program Status

- JHSV Program Office established Jan 05
  - Navy led acquisition with USMC/Army support
  - Office located in Washington D.C. Navy Shipyard
  - Consists of a mix of Navy/USMC/Army personnel
    - PM AWS retains small staff to support
- Program currently in the Joint Capabilities, Integrated and Development System (JCIDS) process
  - Nov 04 - Feb 05 - Joint Requirements Refinement
    - Capabilities Workshop
    - Results of Force Closure and Littoral Access studies
    - Brief to Army Marine Corps Board (AMCB)
  - Apr 05 - Oct 05 - Focused Analysis of Alternatives
    - Sponsored by DASN (Ships), N75
    - Based on guidance from OSD AT&L
    - Monthly Progress Meetings
  - Feb 06 - MS A
  - Feb 06 - Nov 06 - Joint Capabilities Development Document (CDD) development
    - Joint Test and Evaluation Management Plan (TEMP) developed concurrently
  - Dec 06 - CDD Approval
    - Transition to Acquisition timeline
- TSV Bridging Strategy to fill capability gap in FY06-11
  - Strategy to lease two vessels approved at high Army levels
  - Army G-Staff currently working resources

JHSV Program Office Organization PMS 325 FY05


VACANT for FY05
PROGRAM MANAGER
CAPT Patricia Sudol, PMS325
Marine Corps Combat Development Command (MCCDC)
DEPUTY PROGRAM MANAGER Navy
Ms. Bilyana Anderson, PMS325B
Matrix Support
PEO Ships Marine Corps Advisor
Contracting Officer (SEA 02)
Counsel (SEA 00L)
Cost Estimating (SEA 017)
JHSV Project Manager
Mr. Terry Sharp, PMS325H
JHSV Experimentation Director
Ltcol Larry Ryder
Transition Manager
Mr. Dennis Mazur, PMS325HT
Assistant Project Manager
LCDR John Keegan, PMS325HB
Ship Design Manager
Mr. Trey Austin, SEA 05D
Logistics Director
Mr. Leon Haskins, PMS325H1
Test and Trials Manager
Mr. Don Paskuloyan, PMS325H2
Business / Financial Ma
DON GS-14, PMS325H3
Systems Integration Sit(O)n
DOA GS-14, PMS325H4
Assistant SDM - Mr. John Almeter, NSWCCD
JHSV ILS Mgr - Ms. Donna Nuunnery
Assist. ILS Mgr - Ms. Chanda Smith
Assist. Test & Trials - Mr. Bill Loughlin, CSC
Lead Analyst - Ms. Tina Spann
Assist. Analyst - Ms Bonita Sheard
Systems Engineer - DON GS-13
Field Engineer - Contractor
Army On-Site Rep - USA O-4/GS-13

JHSV Program Office Organization (PMS-325) FY06



*Inherits Transition Manager personnel administrative duties.

JHSV Procurement Schedule